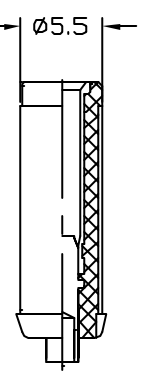


ELECTRICAL CIRCUIT

RECOMMENDED P.C.B LAYOUT  
SOLDERING SIDE

SPECIFICATIONS:

1. RATING: DC 20V 7A
2. INSERTION FORCE: 0.4KG-3.0KG  
WITHDRAWAL FORCE: 0.4KG-3.0KG
3. INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINALS SHALL NOT BE LESS THAN 100 MEGOHMS BY 500 VOLTS MEGGER.
4. JACK SHALL WITHSTAND 250 VOLTS BETWEEN ANY ADJACENT TERMINAL FOR ONE MINUTE.
5. CONTACT RESISTANCE SHALL NOT EXCEED 0.03 OHMS.
6. JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG, AND CONTACT RESISTANCE SHALL NOT EXCEED 0.1 OHMS.
7. MEASURING CONDITION:  
TEMPERATURE: FROM 5°C TO 35°C.  
RELATIVE HUMIDITY: FROM 40% TO 85%
8. ENVIRONMENTAL SPECIFICATIONS:  
8.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE 40°C ± 2°C FOR 96 HOURS.  
8.2 HEAT TEST: TEMPERATURE 70°C ± 2°C (HUMIDITY BELOW 50%) FOR 96 HOURS.  
8.3 COLD TEST: TEMPERATURE -40°C ± 2°C FOR 96 HOURS.
9. SOLDERABILITY TEST: THE TERMINATION IS AT LEAST 95% COVERED BY A CONTINUOUS NEW SOLDER COATING.  
TEST CONDITION: DIP IN MOLTEN SOLDER FOR 5 Sec. AT 245±5°C (TERMINATION SHALL BE IMMersed IN FLUX BEFORE TEST)



0.5mm PLUG STANDARD TYPE

4	SHIELDING	1	BRASS STRIP 0.35t	<input type="checkbox"/>	TIN ALLOY PLATING
3	PIN	1	BRASS BAR	<input type="checkbox"/>	SILVER PLATING
2	TIP SPRING	1	COPPER ALLOY 0.3t	<input type="checkbox"/>	SILVER PLATING
1	BODY	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	<input type="checkbox"/>	BLACK COLOR
NO	DESCRIPTION	QTY	MATERIAL		PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES					
Singatron Enterprise Co., Ltd. 信音企業股份有限公司					
TITLE: DC POWER JACK					
DWN: DMN 2/13-14 PART NO. 2DC-S035-D01					
CHKD: KAN 2/13-14 SCALE: 3/1 UNIT: MM					
APVD: ANDREW 2/13-14 SIZE: A3 SHEET: 1 OF 1 REV: D					

REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
C	<input type="checkbox"/>	NICKEL → TIN ALLOY	Connie	12/28-02
D		修改與實物相符	EVEN	2/13-14